



SELECTION/DIMENSIONS



SAFS Steel Housing Pillow Blocks

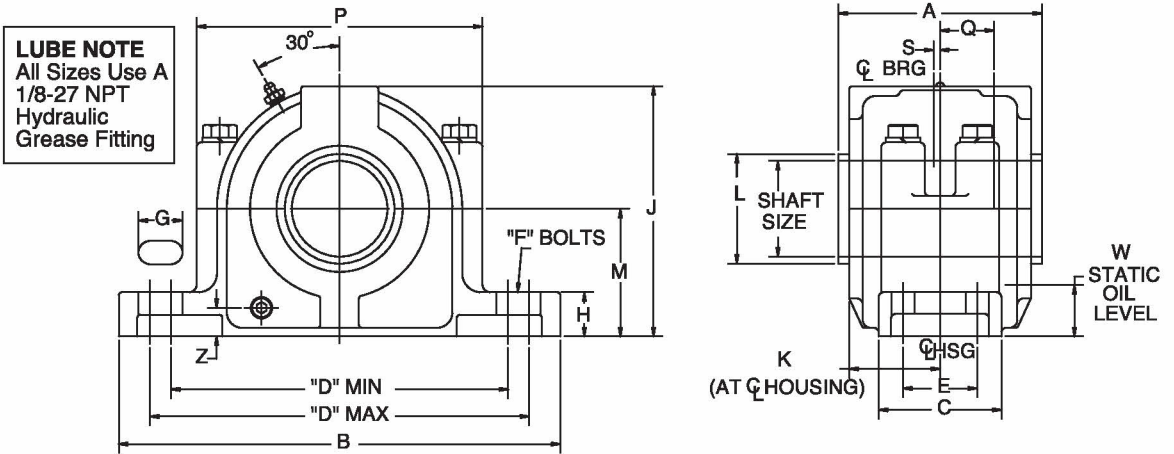
IMPERIAL - ISAF

UNIFIED SAF

International Bearings

Sleeve Bearing

SLEEVOIL



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SELECTION/DIMENSIONS



SAFS Steel Housing Pillow Blocks

Shaft Size Inch	Dimension				E	Bolt Dia.		G	H	J	K	L	M	P	Q	S	W	Z
	D					F												
	2-Bolt		4-Bolt			2B	4B											
	Min.	Max.	Min.	Max.														
2-7/16 2-1/2	8-3/4	9-1/2	8-5/8	9-5/8	1-7/8	5/8	1/2	1-1/8	1-1/4	6-7/16	2-5/16	2-51/64	3-1/4	7-1/16	1-11/32	1/8	1-5/32	5/8
2-11/16 2-3/4	10-1/8	10-5/8	9-7/8	10-7/8	2-1/8	3/4	5/8	1-1/4	1-1/2	6-7/8	2-3/8	3-11/64	3-1/2	8	1-15/32	3/16	1-1/4	5/8
2-15/16 3	10-1/4	10-3/4	10	11	2-1/8	3/4	5/8	1-1/8, 2B 1-1/4, 4B	1-1/2	7-3/8	2-15/32	3-27/64	3-3/4	8-1/4	1-9/16	3/16	1-3/8	3/4
3-3/16	10-3/4	11-1/4	10-1/2	11-1/2	2-1/8	3/4	5/8	1-1/4	1-5/8	7-3/4	2-3/4	3-11/16	4	8-1/4	1-45/64	3/16	1-15/32	11/16
3-7/16 3-1/2	11-7/8	12-5/8	11-3/4	12-3/4	2-3/8	7/8	3/4	1-3/8	1-3/4	8-3/4	2-29/32	3-53/64	4-1/2	9-13/16	1-57/64	3/16	1-41/64	15/16
3-15/16 4	-	-	12-7/8	14-1/8	2-3/4	-	3/4	1-1/2	2	9-5/8	3-1/8	4-21/64	4-15/16	10-5/8	2-5/64	3/16	1-51/64	1-1/8
4-3/16	-	-	13-1/4	14-1/2	2-3/4	-	3/4	1-1/2	1-3/4	10-1/4	3-21/32	4-19/32	5-1/4	11-1/2	2-7/32	3/16	1-27/32	1
4-7/16 4-1/2	-	-	14-1/2	16	3-1/4	-	7/8	1-3/4	2-1/2	11-9/16	3-7/8	4-15/16	6	12-13/16	2-13/32	3/16	2-11/32	1-9/32
4-15/16 5	-	-	15-5/8	17-3/8	3-3/8	-	1	2	2-1/2	12	3-11/16	5-23/64	6	13-9/16	2-17/32	3/16	2-1/32	1-3/16
5-3/16	-	-	16-3/4	18-1/2	3-3/4	-	1	2	2-1/2	12-13/16	4-1/16	5-49/64	6-5/16	14-1/2	2-11/16	3/16	2-1/32	1-3/16
5-7/16 5-1/2	-	-	17-3/8	19-1/8	3-3/4	-	1	2	2-3/4	13-11/16	4-1/4	5-7/8	6-11/16	15-1/8	2-57/64	3/16	2-3/32	1-7/32
5-15/16 6	-	-	19-3/8	21-5/8	4-1/4	-	1	2	2-7/8	14-9/16	4-5/8	6-7/16	7-1/16	16-13/16	3-1/8	3/16	2-3/16	1-36/64
6-7/16 6-1/2	-	-	21-3/8	23-1/8	4-5/8	-	1	2	3	15-1/4	4-13/16	6-51/64	7-1/2	17-3/16	3-5/64	3/16	2-27/64	1-3/32
6-15/16 7	-	-	22-1/8	23-7/8	4-1/2	-	1-1/4	2-1/4	3-1/8	16-1/8	5-1/8	7-3/8	7-7/8	17-7/8	3-15/64	3/16	2-17/32	1-5/16
7-1/2 7-15/16 8	-	-	25-1/8	27-7/8	5-1/4	-	1-1/2	3	3-7/8	19-1/4	5-3/4	7-15/16 8-21/64	9-1/2	20-3/4	3-41/64	3/16	3-1/4	1-7/8

- ◆ Distance shaft should extend beyond housing centerline of pillow block is closed end style.
- ★ Non-expansion bearing offset from centerline. For Expansion Bearing S = 0.
- Based on TRIPLE-TECT seals.

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SELECTION/DIMENSIONS



Pillow Block Housing Permissible Thrust Load*

(lbs Maximum)

Shaft Size - Inches	HSG. No.	Bearing Type			
		SAF-XT		SAFS	
		2-Bolt	4-Bolt	2-Bolt	4-Bolt
1-3/16	507	-	-	2900	-
1-7/16	509	-	-	3100	-
1-11/16	510	-	-	2800	-
1-15/16	511	4700	-	4600	-
2-3/16	513	4800	-	4800	-
2-7/16, 2-1/2	515	4500	5600	4500	5600
2-11/16, 2-3/4	516	6900	9300	6900	9300
2-15/16, 3	517	6500	8700	6500	8700
3-3/16	518	6600	9000	6600	9000
3-7/16, 3-1/2	520	5500	13400	5500	13400
3-15/16, 4	522	-	13300	-	13300
4-3/16	524	-	12500	-	12500
4-7/16, 4-1/2	526	-	9700	-	9800
4-15/16, 5	528	-	14700	-	14700
5-3/16	530	-	14800	-	14800
5-7/16, 5-1/2	532	-	14000	-	14000
5-15/16, 6	534	-	14400	-	14300
6-7/16, 6-1/2	536	-	14200	-	14300
6-15/16, 7	538	-	22800	-	22800
7-1/2, 7-15/16, 8	544	-	32000	-	32000
8-7/16, 8-1/2, 8-15/16, 9	48	-	23000	-	23000
9-7/16, 9-1/2	52	-	32000	-	32000
9-15/16, 10, 10-7/16, 10-1/2	56	-	55000	-	59000

1. When utilizing heavy thrust loads on pillow block housings, the installation will require proper mounting procedures.
 2. The pillow block base bolts must be of adequate strength (Grade 8) and properly tightened to the mounting structure.
 3. The use of stop bars (shear strips) against pillow block mounting base is required.
 4. Shaft shoulder, snap rings or thrust collars should be used to locate the inner ring on the shaft.
 5. In all cases where thrust loads are large, the L_{10} Life of the bearing should be checked for proper selection and life requirements.
- * Spherical bearings require a radial load at least equal to the thrust load for proper operation $FA/FR \leq 1$. If the thrust load exceeds this limit, consult DODGE Application Engineering.

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